Worksheet 17 - part 2 (Cryptography 1.5): Shift Ciphers

Pair Names: _____

This time, work in pairs. If there is one group of three, do a round-robin exchange.

1. Create a message with at least 20 characters. DO NOT SHARE THIS MESSAGE WITH YOUR PARTNER!

   MESSAGE:_____

2. Now encrypt your message using a **shift cipher** of your choice. Specify your key.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
in	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
out																										

   KEY: _____

   ENCRYPTED MESSAGE:_____

3. **Now share only the key and encrypted message with your partner.** Also, receive a key and encrypted message from your partner.

   Under no circumstances should you give them your encrypted message. If they are unable to decrypt your message, double-check your key and your encrypted message. You should also receive a key and encrypted message from your partner to decrypt. Write your decrypted message below. If you are in a group of three or more, be sure to specify whose message you are decrypting.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
in	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
out																										

4. Decrypt your partner's message.

   Decrypted Message:_____